

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_MA0005_01_s_2013_11				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_MA0005_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start		Rating **	A	Issue No.	13		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_MA0005_01_s_2013_13						
Comment Code							
Inspector Comment							
The LMA completed flood fight training in 2014.							

No Photos

LM Start	0.05	Rating **	M	Issue No.	45
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.696790 °	39.696790 °
				-121.774154 °	-121.774154 °
DWR ID	DWR_MA0005_01_f_2016_45				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove wood logs from the waterside slope and trim trees to at least five feet above the levee slope.					

Photo 1 of 1 : SP_2017_MA0005_196_45_20170315_00022.jpg



View of the wood logs on the landside slope.

LM Start	0.07	Rating **	M	Issue No.	46
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.696611 °	39.696611 °
				-121.774349 °	-121.774349 °
DWR ID	DWR_MA0005_01_f _ 2016_46				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_196_46_20170315_00023.jpg



View of the damaged slope by foot traffic.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	0.08	Rating **	M	Issue No.	47
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.696476 °	39.696476 °
				-121.774582 °	-121.774582 °
DWR ID	DWR_MA0005_01_f_2016_47				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings on the waterside and landside slopes to allow visibility.					

No Photos

LM Start	0.56	Rating **	M	Issue No.	903
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.690745 °	39.690745 °
				-121.777342 °	-121.777342 °
DWR ID	DWR_MA0005_01_s_2012_903				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	0.58	Rating **	M	Issue No.	32
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.690496 °	39.689137 °
				-121.777109 °	-121.776938 °
DWR ID	DWR_MA0005_01_s_2014_32				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_196_32_20170315_00012.jpg



View of the trees along the landside toe blocking visibility.

LM Start	0.81	Rating **	M	Issue No.	48
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.687332 °	39.687332 °
				-121.777456 °	-121.777456 °
DWR ID	DWR_MA0005_01_f_2016_48				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.01	Rating **	M	Issue No.	51
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.684497 °	39.684497 °
				-121.776905 °	-121.776905 °
DWR ID	DWR_MA0005_01_f_2016_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	1.11	Rating **	M	Issue No.	52
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.683208 °	39.682695 °
				-121.776279 °	-121.776325 °
DWR ID	DWR_MA0005_01_f_2016_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.61	Rating **	M	Issue No.	16	
LM End	1.61	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			39.676129 °		39.676129 °
				-121.778171 °		-121.778171 °
DWR ID	DWR_MA0005_01_s_2013_16					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						

Photo 1 of 1 : SP_2017_MA0005_196_16_20170315_00006.jpg



View of the unauthorized vehicle ramp on the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	2.54	Rating **	M	Issue No.	9
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.663876 °	39.663876 °
				-121.784014 °	-121.784014 °
DWR ID	DWR_MA0005_01_f _ 2012_9				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_196_9_20170315_00004.jpg



View of the vehicle erosion along the landside slope.

LM Start	3.87	Rating **	A/W	Issue No.	905	
LM End	3.87	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.646217 °	39.646217 °	
				-121.785431 °	-121.785431 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50843 DS_ID:1616 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/9/2016 Crossing appears to be in good condition.8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the waterside toe. Inlet on the landside (LS) toe, not found. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 381+36)]. FS Date: 11/21/2016 1:34:00 PM						

Photo 1 of 3 : UCIP_SP_2017_50843_67931.jpg



CMP riser and slide gate on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	3.87	Rating **	A/W	Issue No.	905 (cont)
LM End	3.87	Issue Type +	Ma	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.646217 °	39.646217 °	
			-121.785431 °	-121.785431 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50843
 DS_ID:1616
 EP_NO: N/A
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/9/2016 Crossing appears to be in good condition. 8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/20/2013 Same as last inspection. 5/29/2013 Same as last inspection.
 FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the waterside toe. Inlet on the landside (LS) toe, not found. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 381+36)].
 FS Date: 11/21/2016 1:34:00 PM

LM Start	3.87	Rating **	A/W	Issue No.	905 (cont)
LM End	3.87	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_50843_67930.jpg



Unable to locate inlet on LS.

Photo 3 of 3 : UCIP_SP_2017_50843_67929.jpg



Flap gate in channel at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	5.56	Rating **	M	Issue No.	907
LM End	5.56	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50847
DS_ID:1768
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Abandoned. Needs standpipe cover.
(DWR Sutter Yard- A Freitag) 5/9/2016 Abandoned pipe. Needs a cover for standpipe. 8/5/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned. 10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960 (Station 470+00)].
FS Date: 11/21/2016 1:38:13 PM

LM Start	5.56	Rating **	M	Issue No.	907 (cont)
LM End	5.56	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50847_67939.jpg



Headwall at LS toe.

Photo 2 of 3 : UCIP_SP_2017_50847_67938.jpg



Headwall at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	5.56	Rating **	M	Issue No.	907 (cont)
LM End	5.56	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50847
DS_ID:1768
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Abandoned. Needs standpipe cover.
(DWR Sutter Yard- A Freitag) 5/9/2016 Abandoned pipe. Needs a cover for standpipe. 8/5/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned. 10/30/2012 Pipe 1/2 filled with soil at slide gate on WS.
FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960 (Station 470+00)].
FS Date: 11/21/2016 1:38:13 PM

Photo 3 of 3 : UCIP_SP_2017_50847_67937.jpg



Slide gate at bottom of cmp riser.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	5.56	Rating **	M	Issue No.	908
LM End	5.56	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.624559 °	39.624559 °
				-121.772141 °	-121.772141 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50848
DS_ID:1620
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Abandoned. Needs cover for the standpipe. (DWR Sutter Yard- AFreitag)5/9/2016 Abandoned pipe. Needs a cover for the standpipe.8/5/2015 Abandoned crossing. Covers need to be made for tops of standpipes to prevent falls.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate end.
FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 36-inch drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960 (Station 470+00)].
FS Date: 11/21/2016 1:39:16 PM

LM Start	5.56	Rating **	M	Issue No.	908 (cont)
LM End	5.56	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50848_67941.jpg



Headwall at LS toe.

Photo 2 of 2 : UCIP_SP_2017_50848_67940.jpg



54-inch CMP riser and slide gate on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	7.14	Rating **	M	Issue No.	58
LM End	7.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.603648 °	39.603648 °
				-121.784114 °	-121.784114 °
DWR ID	DWR_MA0005_01_f_2016_58				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_196_58_20170315_00032.jpg



View of the damaged landside slope by vehicle traffic.

LM Start	7.14	Rating **	M	Issue No.	59
LM End	7.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.603611 °	39.603611 °
				-121.784132 °	-121.784132 °
DWR ID	DWR_MA0005_01_f_2016_59				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_196_59_20170315_00033.jpg



View of the rocks and cut in the landside levee toe.

LM Start	7.38	Rating **	A	Issue No.	66
LM End	7.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.600403 °	39.600403 °
				-121.785862 °	-121.785862 °
DWR ID	DWR_MA0005_01_s_2017_66				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_196_66_20170508_00085.jpg



View of native grasses on both slopes.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	7.58	Rating **	M	Issue No.	909
LM End	7.58	Issue Type +	Ma	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.597725 °	39.597725 °	
			-121.787257 °	-121.787257 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50864
DS_ID:1628
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Appears abandoned and should be done so properly. (DWR Sutter Yard- AFreitag)5/11/2016 Possibly an abandoned crossing. LS inlet was over 50% buried and nothing was found on the WS.8/4/2015 LS pipe end filled about 50% with soil and WS pipe end is buried.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe filled with soil and outlet/appurtenances are buried.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 515, April 1955 (Station 576+72), USACE As-built Drawings 50-4-2637, Exhibit B, Sheet 2, April 1950 (station 576+72.4)].
FS Date: 11/21/2016 1:51:54 PM

LM Start	7.58	Rating **	M	Issue No.	909 (cont)
LM End	7.58	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50864_67970.jpg



Headwall at LS toe.

Photo 2 of 2 : UCIP_SP_2017_50864_67969.jpg



Headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.21	Rating **	M	Issue No.	910
LM End	8.21	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50865
DS_ID:1629
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (DWR Sutter Yard- A Freitag) 5/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing. 8/4/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection. 10/30/2012 Pipe filled with soil.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwall at the landside (LS) and the WS toes.
[Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M 515, April 1955 (Station 609+79). USACE As-Built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 609+78.5)].
FS Date: 11/21/2016 1:53:01 PM

LM Start	8.21	Rating **	M	Issue No.	910 (cont)
LM End	8.21	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50865_67973.jpg



Outlet at WS toe.

Photo 2 of 3 : UCIP_SP_2017_50865_67972.jpg



Buried inlet at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.21	Rating **	M	Issue No.	910 (cont)
LM End	8.21	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589751 °	39.589751 °
				-121.792818 °	-121.792818 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50865
DS_ID:1629
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (DWR Sutter Yard- A Freitag) 5/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing. 8/4/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection. 10/30/2012 Pipe filled with soil.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwall at the landside (LS) and the WS toes.
[Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M 515, April 1955 (Station 609+79). USACE As-Built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 609+78.5)].
FS Date: 11/21/2016 1:53:01 PM

Photo 3 of 3 : UCIP_SP_2017_50865_67971.jpg



Flap gate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.	912
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.575072 °	39.575072 °
				-121.807805 °	-121.807805 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50869
DS_ID:1775
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing is in good condition. No noticeable issues to report. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch. 10/30/2012 Seems there should be flap gates on this structure.
FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 1 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 515, April 1955 (Station 678+00). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 678+00)].
FS Date: 11/21/2016 2:14:52 PM

LM Start	9.52	Rating **	A/W	Issue No.	912 (cont)
LM End	9.52	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50869_67979.jpg



WS of pipe crossing

Photo 2 of 2 : UCIP_SP_2017_50869_67978.jpg



LS of pipe crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.	913
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.575036 °	39.575036 °
				-121.807807 °	-121.807807 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50870
DS_ID:1774
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing is in good condition. No noticeable issues to report. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch. 10/30/2012 Seems there should be flap gates on this structure.
FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 2 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 515, April 1955 (Station 678+00). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 678+00)].
FS Date: 11/21/2016 2:15:15 PM

LM Start	9.52	Rating **	A/W	Issue No.	913 (cont)
LM End	9.52	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50870_67981.jpg



WS of crossing.

Photo 2 of 2 : UCIP_SP_2017_50870_67980.jpg



LS of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.	914
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.575000 °	39.575000 °
				-121.807808 °	-121.807808 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50871
DS_ID:1632
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch. 10/30/2012 Seems there should be flap gates on this structure.
FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 3 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 515, April 1955 (Station 678+00). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 678+00)].
FS Date: 11/21/2016 2:15:47 PM

LM Start	9.52	Rating **	A/W	Issue No.	914 (cont)
LM End	9.52	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50871_67982.jpg



WS of crossing.

Photo 2 of 2 : UCIP_SP_2017_50871_67983.jpg



LS of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.	915
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.574964 °	39.574964 °
				-121.807810 °	-121.807810 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50872
DS_ID:1773
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 12/8/2014 Same as last inspection. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch. 10/30/2012 Seems there should be flap gates on this structure.
FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 4 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 515, April 1955 (Station 678+00). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 678+00)].
FS Date: 11/21/2016 2:19:49 PM

LM Start	9.52	Rating **	A/W	Issue No.	915 (cont)
LM End	9.52	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50872_67985.jpg



WS of crossing.

Photo 2 of 2 : UCIP_SP_2017_50872_67984.jpg



LS of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	10.84	Rating **	M	Issue No.	918
LM End	10.84	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.562559 °	39.562559 °
				-121.825808 °	-121.825808 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50875
DS_ID:1635
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/15/2016 Abandoned. (DWR Sutter Yard-AFreitag)5/11/2016 Abandoned crossing.8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe buried on both sides of levee.
FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 748+53). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 748+53)].
FS Date: 11/21/2016 2:26:09 PM

LM Start	10.84	Rating **	M	Issue No.	918 (cont)
LM End	10.84	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : UCIP_SP_2017_50875_67991.jpg



Concrete headwall at LS toe.

Photo 2 of 2 : UCIP_SP_2017_50875_67990.jpg



Concrete headwall at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	10.87	Rating **	M	Issue No.	67
LM End	10.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.562177 °	39.562177 °
				-121.826072 °	-121.826072 °
DWR ID	DWR_MA0005_01_s_2017_67				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair the erosion along the water side slope.					

Photo 1 of 1 : SP_2017_MA0005_196_67_20170508_00086.jpg



View of erosion along the waterside slope.

LM Start	11.36	Rating **	A/W	Issue No.	919	
LM End	11.36	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.556741 °	39.556741 °	
				-121.832071 °	-121.832071 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50882 DS_ID:1636 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on landside (LS) and WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 25+18"A"). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 25+18"A")]. FS Date: 11/21/2016 2:29:11 PM						

Photo 1 of 2 : UCIP_SP_2017_50882_68007.jpg



WS headwall and flap gates at WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.36	Rating **	A/W	Issue No.	919 (cont)
LM End	11.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556741 °	39.556741 °
				-121.832071 °	-121.832071 °
DWR ID					

Photo 2 of 2 : UCIP_SP_2017_50882_68006.jpg



LS intake headwall.

Comment Code					
Inspector Comment					
FS_ID:50882 DS_ID:1636 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection. FIELD_STRUCT_DESC: 1 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on landside (LS) and WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 25+18"A"). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 25+18"A")]. FS Date: 11/21/2016 2:29:11 PM					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.36	Rating **	A/W	Issue No.	920
LM End	11.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556716 °	39.556716 °
				-121.832097 °	-121.832097 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50883
DS_ID:1782
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection.
FIELD_STRUCT_DESC: 2 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 28+18"A"). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 25+18"A")].
FS Date: 11/21/2016 2:29:33 PM

LM Start	11.36	Rating **	A/W	Issue No.	920 (cont)
LM End	11.36	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_50883_68009.jpg



Headwall and flap gates at WS toe.

Photo 2 of 2 : UCIP_SP_2017_50883_68008.jpg



Headwall at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.37	Rating **	A/W	Issue No.	921
LM End	11.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556693 °	39.556693 °
				-121.832119 °	-121.832119 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50884
DS_ID:1783
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection.
FIELD_STRUCT_DESC: 3 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 28+18"A"). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 25+18"A")].
FS Date: 11/21/2016 2:30:10 PM

LM Start	11.37	Rating **	A/W	Issue No.	921 (cont)
LM End	11.37	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_50884_68011.jpg



Headwall and flap gates at WS toe.

Photo 2 of 2 : UCIP_SP_2017_50884_68010.jpg



Headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.37	Rating **	A/W	Issue No.	922
LM End	11.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.556681 °	39.556681 °
				-121.832130 °	-121.832130 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50885
DS_ID:1784
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/4/2015 Crossing appears in good condition. No noticeable issues to report. 6/11/2014 Same as last inspection. 11/19/2013 Same as last inspection. 5/29/2013 Same as last inspection.
FIELD_STRUCT_DESC: 4 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 28+18"A"). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 25+18"A")].
FS Date: 11/21/2016 2:30:47 PM

LM Start	11.37	Rating **	A/W	Issue No.	922 (cont)
LM End	11.37	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_50885_68013.jpg



Headwall and flap gates at WS toe.

Photo 2 of 2 : UCIP_SP_2017_50885_68012.jpg



Headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.80	Rating **	A/W	Issue No.	923
LM End	11.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.551757 °	39.551757 °
				-121.837252 °	-121.837252 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50886
DS_ID:1637
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Old pipe at Nelson Road- Replaced by DS_ID 25461. (DWR Sutter Yard- A Freitag)6/22/2016 Pipe removed in 2013 and replaced with new 30-inch pipe (SEE DS_ID 25461). New pipe is inspected under DS_ID 25461. This DS_ID 1637 is no longer in use, pipe has been removed. (DWR UCIP - Olivia M.)7/30/2013 Repaired June 20135/29/2013 Pipe was video inspected and it was determined it needs full replacement. Replacement construction is scheduled to begin in the week of 6/3/2013.10/31/2012 Pipe is totally corroded through on WS toe and flap gate is missing. Pipe likely requires total replacement.
FIELD_STRUCT_DESC: *REMOVED* 30-inch corrugated metal drainage pipe through the levee, 15.0 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS toe. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 835+21). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 835+20.96)].
FS Date: 11/21/2016 2:31:25 PM

LM Start	11.80	Rating **	A/W	Issue No.	923 (cont)
LM End	11.80	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_50886_68017.jpg



Drainage canal on LS toe.

Photo 2 of 3 : UCIP_SP_2017_50886_68016.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.80	Rating **	A/W	Issue No.	923 (cont)
LM End	11.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.551757 °	39.551757 °
				-121.837252 °	-121.837252 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50886
DS_ID:1637
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/15/2016 Old pipe at Nelson Road- Replaced by DS_ID 25461. (DWR Sutter Yard- A Freitag) 6/22/2016 Pipe removed in 2013 and replaced with new 30-inch pipe (SEE DS_ID 25461). New pipe is inspected under DS_ID 25461. This DS_ID 1637 is no longer in use, pipe has been removed. (DWR UCIP - Olivia M.) 7/30/2013 Repaired June 2013 5/29/2013 Pipe was video inspected and it was determined it needs full replacement. Replacement construction is scheduled to begin in the week of 6/3/2013. 10/31/2012 Pipe is totally corroded through on WS toe and flap gate is missing. Pipe likely requires total replacement.
FIELD_STRUCT_DESC: *REMOVED* 30-inch corrugated metal drainage pipe through the levee, 15.0 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS toe. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 835+21). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 835+20.96)].
FS Date: 11/21/2016 2:31:25 PM

Photo 3 of 3 : UCIP_SP_2017_50886_68015.jpg



Heavily corroded CMP pipe at WS toe.

LM Start	13.69	Rating **	M	Issue No.	69
LM End	13.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.531032 °	39.531032 °
				-121.856977 °	-121.856977 °
DWR ID	DWR_MA0005_01_s_2017_69				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the erosion along the landside slope and toe.

Photo 1 of 1 : SP_2017_MA0005_196_69_20170508_00087.jpg



Repair the erosion along the landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	05/02/2017 05/02/2017	Bob Duffey

LM Start	14.46	Rating **	M	Issue No.	925 (cont)	
LM End	14.46	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.522200 °	39.522200 °	
				-121.865592 °	-121.865592 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50891 DS_ID:1639 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/15/2016 NO soil supporting the WS wing walls. (DWR Sutter Yard- A Freitag)5/11/2016 Still no soil supporting the WS wing walls and apron. WS vegetation was thinner and not a problem this time.8/4/2015 No soil supporting the WS wing walls at the WS pipe end. WS pipe end is also being overgrown with vegetation and should be cleared back.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/31/2012 Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the landside (LS) and the WS ends. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 978+25). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 5, April 1950 (Station 978+24.95)]. FS Date: 11/21/2016 2:36:31 PM						

Photo 3 of 3 : UCIP_SP_2017_50891_68031.jpg



Wingwalls of headwall not supported by soil.

LM Start	14.50	Rating **	U	Issue No.	68
LM End	15.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.521852 °	39.515597 °
				-121.866183 °	-121.873198 °
DWR ID	DWR_MA0005_01_s_2017_68				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside toe.					

Photo 1 of 1 : SP_2017_MA0005_196_68_20170508_00088.jpg



View of the erosion along the waterside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	1.90	Rating **	M	Issue No.	49
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.537445 °	39.537445 °
				-121.853112 °	-121.853112 °
DWR ID	DWR_MA0005_02_f_2016_49				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion on the waterside toe of the levee.					

Photo 1 of 1 : SP_2017_MA0005_197_49_20170315_00024.jpg



View of the landside toe erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	1.91	Rating **	U	Issue No.	75
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50904
DS_ID:1645
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. 5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard - afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard - afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwylie)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwall at both the LS and the WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515 (Station 902+50). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 5, April 1950 (Station 902+50)].
FS Date: 11/22/2016 9:20:46 AM

Photo 1 of 3 : UCIP_SP_2017_50904_68498.jpg



Concrete headwall and slide gate on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	1.91	Rating **	U	Issue No.	75 (cont)
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50904
 DS_ID:1645
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. 5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard - afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard - afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwylie)
 FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwall at both the LS and the WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515 (Station 902+50). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 5, April 1950 (Station 902+50)].
 FS Date: 11/22/2016 9:20:46 AM

Photo 2 of 3 : UCIP_SP_2017_50904_68497.jpg



Flap gate on WS slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	1.91	Rating **	U	Issue No.	75 (cont)
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.537455 °	39.537455 °
				-121.853061 °	-121.853061 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50904
DS_ID:1645
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. 5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are completely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard - afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard - afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard - afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwylie)
FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwall at both the LS and the WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515 (Station 902+50). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 5, April 1950 (Station 902+50)].
FS Date: 11/22/2016 9:20:46 AM

Photo 3 of 3 : UCIP_SP_2017_50904_68496.jpg



Flap gate on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	2.17	Rating **	M	Issue No.	50
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.540526 °	39.540526 °
				-121.850023 °	-121.850023 °
DWR ID	DWR_MA0005_02_f_2016_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_50_20170315_00025.jpg



View of the rodent holes along the landside slope.

LM Start	4.03	Rating **	A/W	Issue No.	77
LM End	4.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.562271 °	39.562271 °
				-121.829610 °	-121.829610 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50906 DS_ID:1647 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/23/2016 Crossing appears to be in good condition. 7/28/2015 Pipe appears in good condition. No noticeable issues to report. 6/6/2013 Same as last inspection. 11/12/2013 Same as last inspection. 6/04/2014 Same as last inspection. 11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Slide gate on the landside (LS), flap gate on the waterside (WS). Concrete headwall at the LS toe. Concrete splash apron on the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 5+20"A"). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 4, April 1950 (Station 5+20"A")]. FS Date: 11/22/2016 9:27:49 AM					

Photo 1 of 3 : UCIP_SP_2017_50906_68064.jpg



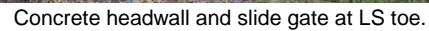
Concrete headwall and slide gate at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

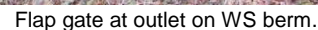
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

Photo 2 of 3 : UCIP_SP_2017_50906_68063.jpg



LM Start	4.03	Rating **	A/W	Issue No.	77 (cont)
LM End	4.03	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_50906_68062.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	4.91	Rating **	M	Issue No.	51
LM End	4.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.571258 °	39.571258 °
				-121.818045 °	-121.818045 °
DWR ID	DWR_MA0005_02_f_2016_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_51_20170315_00026.jpg



View of the rodent holes along the landside slope.

LM Start	5.35	Rating **	M	Issue No.	79
LM End	5.35	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.576008 °	39.576008 °
				-121.812599 °	-121.812599 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50920 DS_ID:1650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/14/2016 Abandoned. (DWR Sutter Yard-AFreitag)5/23/2016 Abandoned7/28/2015 Abandoned- still cannot locate a LS ans WS pipe end.11/25/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection.10/31/2012 Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in a 56-inch corrugated metal riser on the waterside (WS) berm. Flap gate on the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 688+40). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 688+40)]. FS Date: 11/22/2016 10:09:44 AM					

Photo 1 of 2 : UCIP_SP_2017_50920_68105.jpg



Slide gate and flap gate inside CMP riser on WS berm.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	6.47	Rating **	A/W	Issue No.	80
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589146 °	39.589146 °
				-121.800463 °	-121.800463 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50927
DS_ID:1654
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/23/2016 Crossing appears to be in good condition. 7/28/2015 Crossing appears in good condition. No noticeable issues to report. 11/24/2014 Same as last inspection. 6/04/2014 Same as last inspection. 11/12/2013 Same as last inspection. 6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwall at both landside (LS) and WS toes.
[Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 627+00). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 627+00)].
FS Date: 11/22/2016 10:17:04 AM

LM Start	6.47	Rating **	A/W	Issue No.	80 (cont)
LM End	6.47	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50927_68122.jpg



Flap gate on WS toe.

Photo 2 of 3 : UCIP_SP_2017_50927_68121.jpg



Headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	6.47	Rating **	A/W	Issue No.	80 (cont)
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.589146 °	39.589146 °
				-121.800463 °	-121.800463 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50927 DS_ID:1654 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwall at both landside (LS) and WS toes. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 627+00). USACE As-built Drawing 50-4-2637, Exhibit B, Sheet 3, April 1950 (Station 627+00)]. FS Date: 11/22/2016 10:17:04 AM					

Photo 3 of 3 : UCIP_SP_2017_50927_68120.jpg



Headwall on LS toe.

LM Start	7.74	Rating **	U	Issue No.	53
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.605088 °	39.605088 °
				-121.788569 °	-121.788569 °
DWR ID	DWR_MA0005_02_f_2016_53				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_MA0005_197_53_20170315_00028.jpg



View of the rodent holes along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	7.74	Rating **	U	Issue No.	53 (cont)	
LM End	7.74	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.605088 °		39.605088 °
				-121.788569 °		-121.788569 °
DWR ID	DWR_MA0005_02_f_2016_53					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : SP_2017_MA0005_197_53_20170315_00029.jpg



View of the rodent holes along the crown and waterside slope.

LM Start	7.75	Rating **	M	Issue No.	35
LM End	7.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.605205 °	39.605205 °
				-121.788453 °	-121.788453 °
DWR ID	DWR_MA0005_02_s_2015_35				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2017_MA0005_197_35_20170315_00012.jpg



View of the prunings along the landside slope.

LM Start	7.98	Rating **	M	Issue No.	13
LM End	7.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.607710 °	39.607710 °
				-121.785868 °	-121.785868 °
DWR ID	DWR_MA0005_02_s_2012_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_MA0005_197_13_20170315_00005.jpg



View of the vehicle erosion along the landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	7.98	Rating **	M	Issue No.	13 (cont)	
LM End	7.98	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			39.607710 °	39.607710 °	
				-121.785868 °	-121.785868 °	
DWR ID	DWR_MA0005_02_s_2012_13					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : SP_2017_MA0005_197_13_20170315_00006.jpg



View of the vehicle erosion along the slope.

LM Start	8.00	Rating **	M	Issue No.	81
LM End	8.00	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.607802 °	39.607802 °
				-121.785597 °	-121.785597 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50930 DS_ID:1656 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/14/2016 LS inlet almost completely full of soil. (DWR Sutter Yard- A Freitag)5/23/2016 LS end is almost completel full of soil.7/28/2015 Pipe is still over 3/4 full of soil. 11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection.10/31/2012 Pipe 3/4 full with soil on LS. FIELD_STRUCT_DESC: 24-inch (not 18-inch as shown in as-built drawings) corrugated metal drainage pipe through the levee, 6.7 feet below the crown. Concrete headwall at the landside (LS) toe. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Logs, 1990. USACE As-Built Drawings 50-4-2637, Exhibit B, Sheet 2, April 1950 (Station 550+60)]. FS Date: 11/22/2016 10:19:47 AM					

Photo 1 of 2 : UCIP_SP_2017_50930_68129.jpg



Flap gate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.00	Rating **	M	Issue No.	81 (cont)	
LM End	8.00	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.607802 °	39.607802 °	
				-121.785597 °	-121.785597 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50930 DS_ID:1656 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/14/2016 LS inlet almost completely full of soil. (DWR Sutter Yard- A Freitag)5/23/2016 LS end is almost completel full of soil.7/28/2015 Pipe is still over 3/4 full of soil. 11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection.10/31/2012 Pipe 3/4 full with soil on LS. FIELD_STRUCT_DESC: 24-inch (not 18-inch as shown in as-built drawings) corrugated metal drainage pipe through the levee, 6.7 feet below the crown. Concrete headwall at the landside (LS) toe. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Logs, 1990. USACE As-Built Drawings 50-4-2637, Exhibit B, Sheet 2, April 1950 (Station 550+60)]. FS Date: 11/22/2016 10:19:47 AM						

Photo 2 of 2 : UCIP_SP_2017_50930_68128.jpg



Concrete headwall on LS toe.

LM Start	8.06	Rating **	M	Issue No.	40
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.608563 °	39.608563 °
				-121.785058 °	-121.785058 °
DWR ID	DWR_MA0005_02_f_2014_40				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_40_20170315_00016.jpg



View of the vehicle slope instability along the landside slope.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.11	Rating **	A/W	Issue No.	82
LM End	8.11	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.609162 °	39.609162 °
				-121.784647 °	-121.784647 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50937
DS_ID:1662
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/12/2016 Crossing appears to be in good condition. 7/30/2015 Crossing is in good condition. No noticeable issues to report. 11/24/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Same as last inspection. 6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 374+90). USACE As-built Drawings 50-4-3367, Exhibit B, Sheet 13, April 1957 (Station 374+90)].
FS Date: 11/22/2016 10:35:19 AM

LM Start	8.11	Rating **	A/W	Issue No.	82 (cont)
LM End	8.11	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50937_68394.jpg



Concrete inlet on LS toe.

Photo 2 of 3 : UCIP_SP_2017_50937_68393.jpg



Concrete inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.11	Rating **	A/W	Issue No.	82 (cont)
LM End	8.11	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.609162 °	39.609162 °
				-121.784647 °	-121.784647 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50937
DS_ID:1662
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/12/2016 Crossing appears to be in good condition. 7/30/2015 Crossing is in good condition. No noticeable issues to report. 11/24/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Same as last inspection. 6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 374+90). USACE As-built Drawings 50-4-3367, Exhibit B, Sheet 13, April 1957 (Station 374+90)].
FS Date: 11/22/2016 10:35:19 AM

Photo 3 of 3 : UCIP_SP_2017_50937_68392.jpg



Concrete outlet and flap gate on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.77	Rating **	A/W	Issue No.	83 (cont)
LM End	8.77	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.617747 °	39.617747 °
				-121.778964 °	-121.778964 °
DWR ID					

Photo 3 of 3 : UCIP_SP_2017_50939_68395.jpg



Concrete U shaped outlet and flap gate at WS of Berm.

Comment Code					
Inspector Comment					
FS_ID:50939 DS_ID:1663 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Damaged pipe section was dug up and replaced. New WS flapgate with u-shaped wingwall installed on end of pipe.6/6/2013 Same as last inspection. Plans have been made to repair during summer of 2013 before high water season.11/01/2012 Pipe rusted through along bottom at WS outlet. Sink hole over pipe on WS berm. WS headwall eroded eternally around backside of headwall. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE As-built Drawings 50-4-3367, Exhibit B, Sheet 11 (Station 340+04)]. FS Date: 11/22/2016 10:36:37 AM					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.80	Rating **	M	Issue No.	84
LM End	8.80	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.618163 °	39.618163 °
				-121.778745 °	-121.778745 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50940
DS_ID:1664
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (DWR Sutter Yard-AFreitag)5/12/2016 LS inlet was unburied. Slide gate still missing7/30/2015 LS inlet is still buried.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 338+04). USACE As-built Drawings 50-4-3367, April 1957, Exhibit B, Sheet 11 (Station 338+04)].
FS Date: 11/22/2016 10:37:46 AM

LM Start	8.80	Rating **	M	Issue No.	84 (cont)
LM End	8.80	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50940_68406.jpg



WS outlet and concrete U shaped headwall.

Photo 2 of 3 : UCIP_SP_2017_50940_68404.jpg



Brambles and soil over pipe at inlet.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	8.80	Rating **	M	Issue No.	84 (cont)	
LM End	8.80	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.618163 °		39.618163 °
				-121.778745 °		-121.778745 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50940 DS_ID:1664 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (DWR Sutter Yard-AFreitag)5/12/2016 LS inlet was unburied. Slide gate still missing7/30/2015 LS inlet is still buried.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 338+04). USACE As-built Drawings 50-4-3367, April 1957, Exhibit B, Sheet 11 (Station 338+04)]. FS Date: 11/22/2016 10:37:46 AM						

Photo 3 of 3 : UCIP_SP_2017_50940_68403.jpg



Concrete U shaped headwall and flap gate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.12	Rating **	A/W	Issue No.	85
LM End	9.12	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.622377 °	39.622377 °
				-121.776327 °	-121.776327 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50941
DS_ID:1665
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/12/2016 Crossing appears to be in good condition. 7/30/2015 Crossing appears in good condition. No noticeable issues to report. 11/24/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Same as last inspection. 6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 321+20)].
FS Date: 11/22/2016 11:46:50 AM

LM Start	9.12	Rating **	A/W	Issue No.	85 (cont)
LM End	9.12	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50941_68413.jpg



Concrete U shaped headwall and flap gate on WS toe.

Photo 2 of 3 : UCIP_SP_2017_50941_68412.jpg



Concrete U shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.44	Rating **	M	Issue No.	86
LM End	9.44	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.626894 °	39.626894 °
				-121.775180 °	-121.775180 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50942
DS_ID:1666
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (DWR Sutter Yard-AFreitag)5/12/2016 Pipe is half full of soil.7/30/2015 Pipe is 1/4 to 1/2 full of soil still.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 Pipe 1/2 filled with soil.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 304+10). USACE As-built Drawings 50-4-3367, April 1957, Exhibit B, Sheet 3 (Station 304+10)].
FS Date: 11/22/2016 12:04:57 PM

LM Start	9.44	Rating **	M	Issue No.	86 (cont)
LM End	9.44	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50942_68417.jpg



View of outlet looking toward WS toe.

Photo 2 of 3 : UCIP_SP_2017_50942_68416.jpg



View of inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	9.44	Rating **	M	Issue No.	86 (cont)	
LM End	9.44	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.626894 °	39.626894 °	
				-121.775180 °	-121.775180 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50942						
DS_ID:1666						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (DWR Sutter Yard-AFreitag)5/12/2016 Pipe is half full of soil.7/30/2015 Pipe is 1/4 to 1/2 full of soil still.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.11/01/2012 Pipe 1/2 filled with soil.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete "U" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 304+10). USACE As-built Drawings 50-4-3367, April 1957, Exhibit B, Sheet 3 (Station 304+10)].						
FS Date: 11/22/2016 12:04:57 PM						

Photo 3 of 3 : UCIP_SP_2017_50942_68415.jpg



Concrete U-shaped headwall on LS toe.

LM Start	10.63	Rating **	M	Issue No.	18
LM End	10.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.642061 °	39.642061 °
				-121.783861 °	-121.783861 °
DWR ID	DWR_MA0005_02_s_2012_18				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_18_20170315_00007.jpg



View of the vehicle erosion along the slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	10.95	Rating **	M	Issue No.	58
LM End	10.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.646045 °	39.646045 °
				-121.786927 °	-121.786927 °
DWR ID	DWR_MA0005_02_f_2016_58				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_58_20170315_00034.jpg



View of the damaged landside slope.

LM Start	10.96	Rating **	M	Issue No.	59
LM End	10.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.646220 °	39.646598 °
				-121.787055 °	-121.787365 °
DWR ID	DWR_MA0005_02_f_2016_59				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	11.05	Rating **	M	Issue No.	26
LM End	11.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.647400 °	39.647400 °
				-121.787825 °	-121.787825 °
DWR ID	DWR_MA0005_02_f_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	11.10	Rating **	M	Issue No.	36
LM End	11.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.647913 °	39.647913 °
				-121.788330 °	-121.788330 °
DWR ID	DWR_MA0005_02_s_2015_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_36_20170315_00013.jpg



Remove the tree log from the landside toe.

LM Start	12.80	Rating **	M	Issue No.	90
LM End	12.80	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.670982 °	39.670982 °
				-121.783103 °	-121.783103 °
DWR ID					
Comment Code					
Inspector Comment					

Photo 1 of 3 : UCIP_SP_2017_50950_68465.jpg



Broken slide gate in CM riser on WS slope.

FS_ID:50950
DS_ID:1673
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/14/2016 Abandoned- needs a cover for standpipe. (DWR Sutter Yard- A Freitag) 5/11/2016 Abandoned crossing. Needs a cover for the WS riser. 8/3/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it. 11/24/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Slide gate top and stem were repaired to make gate operational. 6/6/2013 New slide gate is planned to be installed during summer of 2013. 11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 126+91)].
FS Date: 11/22/2016 12:57:09 PM

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	12.80	Rating **	M	Issue No.	90 (cont)
LM End	12.80	Issue Type +	Ma	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.670982 °	39.670982 °	
			-121.783103 °	-121.783103 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50950
DS_ID:1673
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 11/14/2016 Abandoned- needs a cover for standpipe. (DWR Sutter Yard- A Freitag) 5/11/2016 Abandoned crossing. Needs a cover for the WS riser. 8/3/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it. 11/24/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Slide gate top and stem were repaired to make gate operational. 6/6/2013 New slidegate is planned to be installed during summer of 2013. 11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 126+91)].
FS Date: 11/22/2016 12:57:09 PM

LM Start	12.80	Rating **	M	Issue No.	90 (cont)
LM End	12.80	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_50950_68464.jpg



Abandoned headwall on LS toe.

Photo 3 of 3 : UCIP_SP_2017_50950_68463.jpg



Broken slide gate in CM riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	13.40	Rating **	A/W	Issue No.	93
LM End	13.40	Issue Type +	Ma	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.678550 °	39.678550 °	
			-121.778339 °	-121.778339 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:50960
DS_ID:1679
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Concrete "U" shaped headwall on the waterside (WS). Flap gate on the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 93+78)].
FS Date: 11/22/2016 1:05:24 PM

LM Start	13.40	Rating **	A/W	Issue No.	93 (cont)
LM End	13.40	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50960_68531.jpg



Inlet relocated after bridge replacement away from LS toe.

Photo 2 of 3 : UCIP_SP_2017_50960_68530.jpg



Inlet 50-feet NW of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	13.40	Rating **	A/W	Issue No.	93 (cont)	
LM End	13.40	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.678550 °	39.678550 °	
				-121.778339 °	-121.778339 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50960 DS_ID:1679 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Concrete "U" shaped headwall on the waterside (WS). Flap gate on the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 93+78)]. FS Date: 11/22/2016 1:05:24 PM						

Photo 3 of 3 : UCIP_SP_2017_50960_68533.jpg



Concrete U-shaped headwall and flap gate at WS slope.

LM Start	14.13	Rating **	U	Issue No.	43
LM End	14.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.688715 °	39.688715 °
				-121.778345 °	-121.778345 °
DWR ID	DWR_MA0005_02_f_2014_43				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0005_197_43_20170315_00019.jpg



View of the tilling into the landside slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	14.39	Rating **	M	Issue No.	38
LM End	14.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.692284 °	39.692284 °
				-121.779394 °	-121.779394 °
DWR ID	DWR_MA0005_02_s_2016_38				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen trees on W/S slope of levee.					

Photo 1 of 1 : SP_2017_MA0005_197_38_20170315_00014.jpg



5/5/2016: Remove fallen tree from W/S slope.

LM Start	14.46	Rating **	A/W	Issue No.	96
LM End	14.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.693331 °	39.693331 °
				-121.779556 °	-121.779556 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50963 DS_ID:1682 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A/Freitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete "U" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 37+10)]. FS Date: 11/22/2016 1:07:21 PM					

Photo 1 of 3 : UCIP_SP_2017_50963_68544.jpg



Outlet at U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	14.46	Rating **	A/W	Issue No.	96 (cont)
LM End	14.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.693331 °	39.693331 °
				-121.779556 °	-121.779556 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50963
DS_ID:1682
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/3/2015 Crossing appears in good condition. No noticeable issues to report. 11/25/2014 Same as last inspection. 6/4/2014 Same as last inspection. 11/13/2013 Same as last inspection. 6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete "U" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS.
[Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 37+10)].
FS Date: 11/22/2016 1:07:21 PM

LM Start	14.46	Rating **	A/W	Issue No.	96 (cont)
LM End	14.46	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_50963_68543.jpg



Concrete lined channel on LS toe.

Photo 3 of 3 : UCIP_SP_2017_50963_68542.jpg



Concrete standpipe and slide gate on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	14.47	Rating **	A/W	Issue No.	97
LM End	14.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.693406 °	39.693406 °
				-121.779583 °	-121.779583 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50964
DS_ID:1683
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- A Freitag) 5/11/2016 Crossing appears to be in good condition. 8/3/2015 Crossing appears in good condition. No noticeable issues to report. 6/6/2013 Same as last inspection. 11/13/2013 Same as last inspection. 6/4/2014 Same as last inspection. 11/25/2014 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Concrete "U" headwalls on both the landside (LS) and the waterside (WS). Flap gate on the WS. Inlet downhill from a concrete lined channel at the low-point on the LS toe. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 516, April 1960 (Station 36+85)].
FS Date: 11/22/2016 1:07:52 PM

LM Start	14.47	Rating **	A/W	Issue No.	97 (cont)
LM End	14.47	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_50964_68541.jpg



Inlet at LS toe.

Photo 2 of 2 : UCIP_SP_2017_50964_68540.jpg



Outlet at WS toe with flap gate and concrete U-shaped headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	05/02/2017 05/02/2017	Bob Duffey

LM Start	16.05	Rating **	M	Issue No.	39
LM End	16.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.714016 °	39.714016 °
				-121.782317 °	-121.782317 °
DWR ID	DWR_MA0005_02_f_2016_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill and compact the rodent holes.					

Photo 1 of 1 : SP_2017_MA0005_197_39_20170315_00015.jpg



View of the rodent holes along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	05/02/2017 05/02/2017	Bob Duffey

LM Start	0.51	Rating **	A	Issue No.	2	
LM End	0.51	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			39.723773 °	39.723773 °	
				-121.780468 °	-121.780468 °	
DWR ID	DWR_MA0005_03_s_2017_2					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
The vegetation was removed from both slopes.						

Photo 1 of 1 : SP_2017_MA0005_198_2_20170508_00001.jpg



View of no vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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